

SAFETY DATA SHEET

Detectasmoke®

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product name Detectasmoke®
Internal Id DS1

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified Uses Testing Fire/Smoke Alarms

1.3 Details of the supplier of the safety data sheet

Supplier Gas Safe Europe Ltd
E35 Ashmount Enterprise Park
Aber Road
Flint
Flintshire CH6 5YL
0845 8734760
07912 503202 emergency
enquiries@gassafeeurope.com

1.4 Emergency telephone number

+44 (0) 7912 503202

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (1999/45/EEC) Not classified.

2.2 Label elements

Risk Phrases

NC Not classified.

Safety Phrases

A1 Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50oC. Do not pierce or burn, even after use.
S23 Do not breathe vapour/spray.
S38 In case of insufficient ventilation, wear suitable respiratory equipment.
P13 Safety data sheet available for professional user on request.
A2 Do not spray on a naked flame or any incandescent material.

2.3 Other hazards

High concentrations may cause dizziness or drowsiness.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures

1,1,1,2-TETRAFLUOROETHANE	60-100%	
CAS-No.: 811-97-2	EC No.: 212-377-0	Registration Number: 01-119459374-33-xxxx
Classification (EC 1272/2008) Compr.Gas – H280	Classification (67/548/EEC) Not classified.	

DETECTASMOKE®

PROPAN-2-OL

10-30%

CAS-No.: 67-63-0

EC No.: 200-661-7

Classification (EC 1272/2008)

Flam. Liq. 2 - H225

Eye Irrit. 2 - H319

STOT Single 3 - H336

Classification (67/548/EEC)

F;R11

Xi;R36

R67

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation

Move into fresh air and keep at rest. Get medical attention if any discomfort continues.

Ingestion

Rinse mouth thoroughly. Get medical attention if any discomfort continues.

Skin contact

Wash skin with soap and water. Get medical attention if any discomfort continues.

Eye contact

Rinse the eye with water immediately. Get medical attention if any discomfort continues.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation.

Vapours may cause drowsiness and dizziness.

Ingestion

Due to the physical nature of this material it is unlikely that swallowing will occur.

Eye contact

Irritation of eyes and mucous membranes.

4.3. Indication of any immediate medical attention and special treatment Needed

None

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Extinguish with foam, carbon dioxide or dry powder.

5.2. Special hazards arising from the substance or mixture

Unusual Fire & Explosion Hazards

Aerosol cans may explode in a fire.

5.3. Advice for firefighters

Special Fire Fighting Procedures

Use water to keep fire exposed containers cool and disperse vapours.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Do not smoke, use open fire or other sources of ignition.

6.2. Environmental precautions

Do not discharge onto the ground or into water courses.

6.3. Methods and material for containment and cleaning up

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb with inert, damp, non-combustible material, then flush area with water.

DETECTASMOKE®

6.4. Reference to other sections

For personal protection, see section 8.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from heat, sparks and open flame. Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C. Store at moderate temperatures in dry, well ventilated area.

7.3. Specific end use(s)

Smoke Simulation

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
1,1,1,2-TETRAFLUOROETHANE	WEL	1000 ppm	4240 mg/m ³			
PROPAN-2-OL	WEL	400 ppm	999 mg/m ³	500 ppm	1250 mg/m ³	

WEL = Workplace Exposure Limit.

8.2. Exposure controls

Protective equipment



Engineering measures

No specific ventilation requirements noted, except this product must not be used in a confined space without good ventilation.

Hand protection

For prolonged or repeated skin contact use suitable protective gloves. Use protective gloves made of: Rubber, neoprene or PVC.

Eye protection

Wear approved chemical safety goggles where eye exposure is reasonably probable.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance

Aerosol.

9.2. Other information

No information required.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No specific reactivity hazards associated with this product.

10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Not determined.

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

DETECTASMOKE®

Materials To Avoid

No incompatible groups noted.

10.6. Hazardous decomposition products

Fire or high temperatures create: Carbon dioxide (CO₂). Carbon monoxide (CO).

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Inhalation

Vapours may cause drowsiness and dizziness.

Ingestion

Gastrointestinal symptoms, including upset stomach.

Skin contact

Repeated exposure may cause skin dryness or cracking.

Eye contact

Irritation of eyes and mucous membranes.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

The product is not expected to be toxic to aquatic organisms.

12.1. Toxicity

Acute Toxicity - Fish

Not determined.

12.2. Persistence and degradability

Degradability

There are no data on the degradability of this product.

12.3. Bioaccumulative potential

Bioaccumulative potential

No data available on bioaccumulation.

12.4. Mobility in soil

Mobility:

The product is soluble in water.

12.5. Results of PBT and vPvB assessment

Not applicable

12.6. Other adverse effects

Not determined.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number

UN No. (ADR/RID/ADN) 1950

UN No. (IMDG) 1950

UN No. (ICAO) 1950

14.2. UN proper shipping name

Proper Shipping Name AEROSOLS

14.3. Transport hazard class(es)

IMDG Class 2

ICAO Class/Division 2

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

No.

14.6. Special precautions for user

Tunnel Restriction Code (D)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Statutory Instruments

Control of Substances Hazardous to Health.

Guidance Notes

Workplace Exposure Limits EH40.

EU Legislation

Dangerous Preparations Directive 1999/45/EC.

15.2. Chemical Safety Assessment

SECTION 16: OTHER INFORMATION

Revision Date	04/01/12
Revision	1
Date	29/07/11
Risk Phrases In Full	
R11	Highly flammable
R36	Irritating to eyes.
NC	Not classified.
R67	Vapours may cause drowsiness and dizziness.
Hazard Statements In Full	
H225	Highly flammable liquid and vapour.
H280	Contains gas under pressure; may explode if heated.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

Detectasmoke® has been tested in accordance with the European Directive 2008 / 47 / EC and has demonstrated that it fulfils the requirements to be classified as “NON-FLAMMABLE”.

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.